

## AMENDMENTS TO THE CLAIMS

1. (Currently amended) An optical disk device comprising:  
drive means for driving in rotation an optical disk having a wobbled track;  
irradiating means for irradiating a light beam onto the optical disk;  
light receiving means for receiving the light reflected from the optical disk and outputting an electric signal corresponding to the reflected light; and  
wobble signal reproducing means for reproducing, from the output electric signal of the light receiving means, a wobble signal corresponding to a wobble of the track, said wobble signal reproducing means including:
  - (a) detection means for detecting a center frequency of the wobble signal including:
    - (i) a band-pass filter having a pass band being set to pass the wobble signal within a range of driving in rotation of the optical disk by said drive means, and
    - (ii) a frequency detection means for detecting a frequency of the wobble signal which has passed through said band-pass filter, and
  - (b) extracting means for extracting the wobble signal from the output electric signal on the basis of the ~~center~~ frequency detected by the said frequency detection means.
2. (Canceled)
3. (Canceled)
4. (Original) The optical disk device according to Claim 1, wherein said drive means drives the optical disk at a constant angular velocity.
5. (Canceled)
6. (Canceled)

7. (Original) The optical disk device according to Claim 1, wherein said drive means drives the optical disk at a constant linear velocity and said detection means performs detection of the center frequency of the wobble signal immediately after a seek operation of said irradiating means.

8. (Canceled)

9. (Canceled)